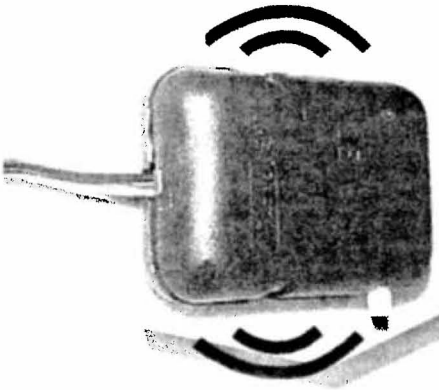
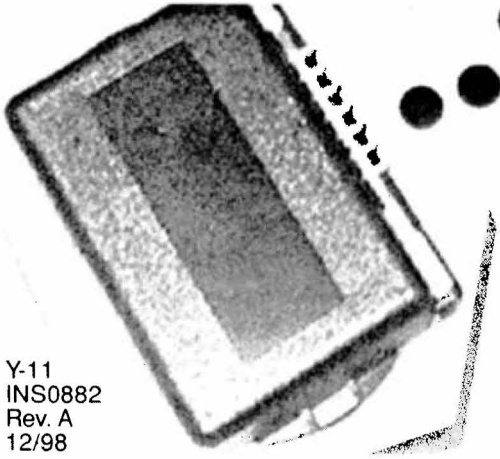
Vehicle Security System



Owner's Manual



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This device complies with part 15 of the FCC rules and with RSS-210 of the industry Canada. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Certain features of the system operation may be programmed to operate differently. Refer to the programmable features section at the end of this manual.

Automatic Arming

If automatic arming is enabled the alarm will automatically arm and disable the vehicle starter 1 minute after the ignition is turned off. Automatic arming can be disabled through vehicle option programming, placing the vehicle in valet mode or by pressing the disarm button after the ignition is turned off.

Automatic arming may entitle you to receive a discount on your insurance policy, see your agent for details.

Automatic Door Lock and Unlock

If all protected openings are closed when the ignition key is turned to the on position, the security system will lock the doors. When the key is turned back off, the system will unlock the doors to allow an easy exit from the vehicle. If desired, either one or both of these can be turned of by your installer.

Starter Immobilization

The vehicle's starter is disabled when the system is armed. Additionally, the vehicle will not start if power is disconnected from the alarm module.

All entrances protected

Opening any door or entrance protected by the security system triggers the alarm's 125db siren and flashes the vehicle parking lights.

Impact Detector

The impact detector senses any jolts or bumps associated with vehicle intrusion.

Personal Protection Feature (Panic Alarm)

The Panic feature sounds the siren and flashes the vehicle parking lights, bringing attention to your vehicle and surrounding area.

Interior Status Indicator

The bright-red warning light creates an effective visual deterrent to a would-be thief.

Illuminated Entry

Vehicle courtesy lights turn on for one minute when the system is disarmed.

*Remote Keyless Entry**

Doors conveniently lock and unlock when the alarm system is armed and disarmed.

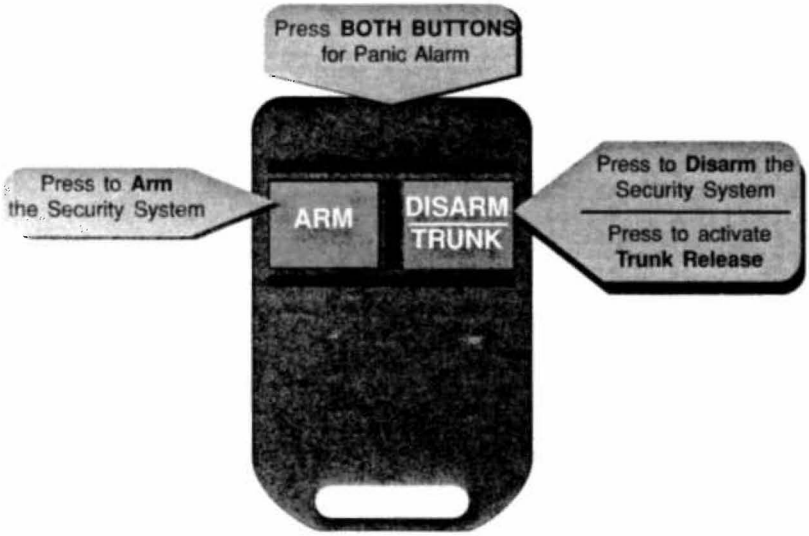
*Trunk Release***

The trunk release can be activated via the remote transmitter.

* If vehicle is equipped with power door locks and they are connected to the alarm system by your installer.

** May require additional connections, components, and/or charges. See your installer for details.

The remote transmitters included with your security system are high-quality, durable instruments. Each transmitter has a moisture-resistant case and sealed rubber buttons to protect the internal circuitry and 12-volt alkaline battery. Also, each transmitter is uniquely coded, with one out of a possible 4 billion code combinations. Your security system has the ability to operate from up to four (4) remote transmitters.



Arming the Security System

To arm the system, exit the vehicle, close all doors, then press and release the ARM button.

- The siren will "chirp" twice.
- The parking lights will flash twice.
- The doors will also lock at this time (if equipped and connected).
- The status indicator will blink steadily, once per second.

The system is now armed and protecting your vehicle.

Pre-Arm Mode

If the siren chirps and the parking lights flash only once, this indicates that the system is in **pre-arm mode**. The system has detected that the vehicle courtesy light is on, or that an entrance is not closed securely. In pre-arm mode, the status indicator stays on and does not blink. Check to see that all vehicle entrances are closed securely. Once all entrances are secured (and the courtesy light is off), the system will chirp / flash again, and the status indicator will blink steadily. The system is now fully armed.

Faulty Trigger Bypass

If a door or entrance protected by the security system is left open, the system will arm after 4 minutes and ignore that trigger point. If that trigger point is closed while the system is still armed, the system will begin to monitor that point again. For example, if a door was open then closed and then opened again the alarm would go off.

Sensor Override

Your security system is equipped with an impact detector (see page 8). It may be necessary at times to temporarily disable the sensor feature, especially in areas such as airports or train stations where severe vibration can cause false alarms. Press ARM, wait for sytem to arm and then ARM again within three (3) seconds. The system will respond with three (3) chirps and three light flashes, indicating that the system is armed with the sensor disabled. This procedure disables the sensor for only one arm/disarm cycle. The sensor will be enabled the next time the alarm system is armed.

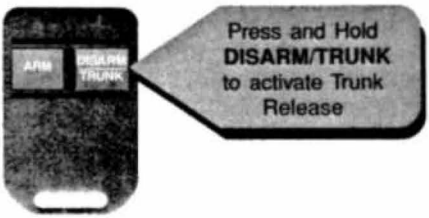
Disarming the Security System

To disarm the system, press and release the DISARM/TRUNK button.

- The siren will chirp one time.
- The parking lights will flash once.
- Doors will unlock (if equipped and connected).
- Dome light turns on for 60 seconds or until the ignition key is turned on.
- The Status Indicator will turn off.

If the siren chirps and/or the parking lights flash four (4) times, the system was triggered in your absence. See the **Trigger ID** section (page 9) to determine the cause of the alarm trigger.

Trunk Release



Press and hold DISARM/TRUNK BUTTON for 1.5 seconds. The trunk release will activate and open the vehicle's trunk or hatch (if equipped with factory trunk / hatch release option.) If DISARM/TRUNK button is held longer than 1.5 seconds the trunk release will remain active up to 10 seconds.

Personal Protection (Panic Alarm)

Pressing both buttons together on the remote transmitter activates the Panic feature, sounding the siren and flashing the parking lights. Panic is designed to bring attention to the vehicle and surrounding area, warding off a would-be intruder. Press either button on the remote transmitter to turn off the Panic alarm.

Please see the System Maintenance Section (page 10) for these Additional Topics:

- Changing the Remote Transmitter Battery
- Adding Remote Transmitters to Your System
- Deleting Lost or Stolen Remote Transmitters from Your System

About Transmitter Range....

The receiver inside your vehicle security system and the remote control transmitters are designed together to have an average operating range of 50 feet during ideal conditions. Although at times you may experience range greater than that, there may be occasions when range is less than normal. Atmospheric conditions or interference from other RF-emitting devices can effectively reduce transmitter range.

Valet Mode

Valet mode, sometimes referred to as "keyless mode", when engaged prevents the security system from arming - automatically or via the remote control transmitter - while allowing the convenience features (remote control door lock, unlock and trunk) to remain functional. Valet mode is useful when leaving your vehicle for service or any time you do not what your vehicle to be armed inadvertently.

To engage the valet mode:

1. Turn key to the ON or RUN position.
2. Press the ARM button on the remote transmitter. *The status indicator to begin blinking a double flash pattern to confirm security system is in valet mode and continue to double flash until the status indicator is disengaged.*

To disengage valet mode and return your system to the normal operating mode:

1. Turn the key to the ON or RUN position.
2. Press DISARM button on remote control transmitter. *Status indicator will turn off.*

To prevent your system from arming just one time without engaging valet mode, simply press the disarm button on your remote control transmitter after turning the ignition key off. This is useful when unloading your vehicle or anytime when you do not want your system to arm automatically but will want to arm the system later without reentering the vehicle.

Hint: When doing so, remember to arm the system with your remote control.

Automatic Arming

If the system is not armed manually by the user, the system will arm automatically one minute after the ignition key is off.

- The siren will chirp twice.
- The parking lights will flash two (2) times

The system is now armed, protecting your vehicle.

Note: If the siren only chirps once when arming the system check the status indicator. If the status indicator is on SOLID, indicating your vehicle is in pre-arm mode there is a door hood, trunk or hatch open. The system will arm after that opening is closed or after four (4) minutes if the trigger point remains open. (See Faulty Trigger Bypass on page 5.)

Impact Detector

The Impact Detector, also referred to as "Shock Sensor", is designed to detect impacts to the body of the vehicle. The force of impact (or threshold) required to "trip" the Impact Detector is fully adjustable by your installer. The threshold can be adjusted from a tap on the body (not a recommended setting) to a very hard impact that could cause damage to the vehicle.

At the time of installation, your installer will set the impact detector threshold to a medium level. Should you want to change the threshold level, contact your dealer - they can adjust the shock sensor to your desired setting.

When the system is armed, the shock continually monitors for impact to the body of the vehicle. Impacts of greater magnitude than the threshold setting will trigger a full a alarm cycle. If the Impact Detector is triggered more than four times when the system is armed, the system will bypass the sensor inputs until the system is disarmed then rearmed. All other protected entry points are still armed and alert.

LITE TOUCH™

When the Impact Detector senses a nonthreatening impact to the body of the vehicle the siren will sound a short "lite-touch" chirp to warn away potential intruders. If the "lite-touch" is tripped more than ten (10) times within a ten (10) minute period, the lite-touch stage is disabled until the system is disarmed then rearmed.

OVERRIDE/PROGRAMMING BUTTON

The Override/programing button is a hidden push button switch that can be used to disarm the security system if your remote control transmitter is lost or stolen. The override/ programming button is also used to for programming new transmitters to the system. To prevent unauthorized use of the override/programming button, the ignition key is also needed to disarm the system or program transmitters.

Disarming system without the remote control transmitter

1. Enter vehicle (the alarm will begin sounding as soon as the door is opened).
2. Turn the ignition key to the on position.
3. Press the override button.
4. The security system is now disarmed.

When Your Security System is Triggered

The security system will trigger if one of the following events occurs while it is armed:

- Any protected entrance is opened
- The vehicle ignition is turned on
- The vehicle is jolted hard enough to signal the shock sensor

Once the alarm is triggered, the alarm sounds its 125db siren and flashes the vehicle parking lights for 30 seconds. After 30 seconds, the system checks to see if all entrances are closed. The alarm will resume sounding if an entrance is open. Otherwise, the system will re-arm, awaiting the next intrusion attempt.

The Interior Status Indicator

The Status Indicator is a high-intensity red light mounted in a visible location on the vehicle dashboard. This red light gives a visual indication of the alarm system's state of operation. Note the chart below:

If the Status Indicator is...	**....then the Security System is**
Off	Disarmed
Flashing Slowly (about once per second)	Fully Armed
Flashing Very Quickly	System has been tripped (see Trigger ID - below)
Double Flash	Valet Mode
On (not flashing)	in Pre-Arm Mode (page 4)

Trigger Identification

If the siren chirps **four times** when you disarm your security system or you notice the status indicator flashing rapidly when you enter the vehicle, this indicates that the system was triggered in your absence. Perform the following operation to determine the protected zone that triggered the system:

- Press the Override/programming button before turning the ignition key on. The siren will chirp a number of times to indicate the cause of the alarm trigger:

2 chirps	Shock Sensor
3 chirps	Door or other entrance
4 chirps	Ignition was turned on

Adding Remote Transmitters to Your System

Your security system has memory locations for four (4) transmitters.

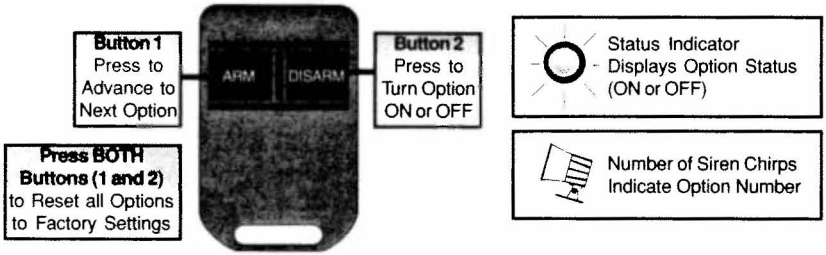
ALL FOUR MEMORY LOCATIONS MUST BE FILLED FOR THE SYSTEM TO OPERATE PROPERLY. UNLESS YOU ARE PROGRAMMING MORE THAN TWO TRANSMITTERS TO THE SYSTEM, PROGRAM EACH OF THE SUPPLIED TRANSMITTERS TWO (2) TIMES IN ANY SITUATION, MAKE SURE THAT FOUR (4) TRANSMITTERS ARE PROGRAMMED TO THE SYSTEM AT ALL TIMES.

1. Open the driver's door and leave open.
2. If not already on, turn the ignition key to the "RUN" position.
3. Press and hold the programming button.
   In 15 seconds the system will chirp the siren.
4. Release the override/programming button.
   The system is now in the transmitter learn mode.
5. Wait five (5) seconds.
6. Press ARM button on the first transmitter.
   The system will chirp the siren to indicate that this transmitter code has been learned.
7. Repeat step 6 for any additional transmitters.
8. Turn the ignition key off to exit the learn mode.
9. Close all doors to reset the system operation.

Programming Selectable Options

Note: You can go into option programming mode without exiting the transmitter learn mode. To do so, do not turn the ignition key off or close the doors at the end of the transmitter programming section and proceed directly to step 2 below.

1. Enter the transmitter programming mode as indicated on page 10.
2. Press and release the programming button one time.
   The siren will chirp three (3) times to indicate the system is in the option programming mode.
3. Press the ARM button one time to select option #1.
   The siren will chirp one time.
   Pressing the disarm button on a programmed transmitter toggles the selected option's state on or off.
   The status indicator (LED) will display the state of the selected option.
   Pressing the ARM button on a programmed transmitter selects the next option. The siren will emit a number of short chirps corresponding to the selected option number.
   Pressing ARM and DISARM buttons at the same time will reset all options to their factory preset states.
   The siren will chirp and the door locks will cycle once to indicate that the options have been reset to their factory preset programming.
4. When all options are set as desired, turn the ignition key off to exit the options programming mode.
5. Close all doors to reset the system operation.



Option Number and Description — Bold Type Indicates Factory Settings	Status Indicator ON	Status Indicator OFF
1 Arming / disarming chirp enable	**YES**	NO
2 Passive arming enable	**YES**	**NO**
3 (1) Siren output enable (2) horn output enable	**(1)**	(2)
4 Ignition triggered lock enable	**YES**	**NO**
5 Ignition triggered door unlock enable	**YES**	NO
6 Double unlock pulse enable	YES	**NO**
7 Armed Output enable	YES	**NO**
8 Door lock / unlock output duration is (1) 0.4 second or (2) 5 seconds	(2)	**(1)**

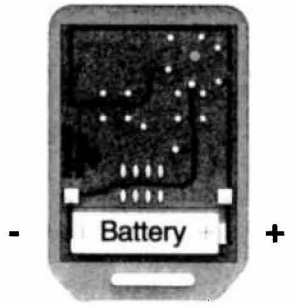
Your security system does not require any specific maintenance except for occasionally changing the transmitter battery. However, it is suggested that the system be armed and all protected entrances be checked about once a month to make sure that they trigger the alarm.

Changing the Remote Transmitter Battery

The 12-volt alkaline battery supplied in your remote transmitter should last approximately one year, depending on usage. When the battery begins to weaken, you will notice a decrease in range, or the distance from your vehicle that your remote transmitter will operate. Follow the instructions below to change the remote transmitter battery.

1. Use a small coin or screwdriver to pry off the back of the transmitter case and expose the battery.
2. Remove the battery, being careful not to remove the transmitter circuit board.
3. Replace with a new battery (Duracell-type MN21, Gold Peak-type GP-23A or equivalent). Be sure to observe the (+) and (-) signs in the battery compartment, and install the battery appropriately.
4. Replace the case backing, then test the remote transmitter.

Note: It is not necessary to reprogram the remote transmitter after changing the battery.



Open Back of
Remote Transmitter